

REMARKS

Applicant is submitting this Request for Continued Examination and presenting a new set of claims that clarify and more distinctly point out the subject matter of the invention. Applicant appreciates the efforts of the Examiner
5 in providing a precise description of how the claim terms are being interpreted and indicating potentially allowable subject matter.

The language used in this new set of claims is specifically designed to distinguish over the primary reference, Bhandari (U.S. Patent No. 5,663,900), and this distinction will be explained in more detail as follows.

10 Bhandari discloses a system that comprises a first series of method steps and a second series of method steps, wherein the second series of method steps is executed in an accelerated operating mode. Bhandari does not, however, disclose (as claimed by the new claims):

15 1) that the second method steps are steps which are executed by the core of the microprocessor or of the microcontroller to be simulated. The software mentioned in paragraph 33 of the Final Office Action is not executed by the integrated circuit to be simulated; this would be impossible in Bhandari because the
20 integrated circuit to be simulated by Bhandari's system is not a microprocessor or a microcontroller, but any generalized kind of integrated circuit (see, e.g., Bhandari at 2/65 – 3/2), and can therefore also be an integrated circuit, which is unable to execute a

software program and operate according to the independent claims);

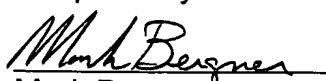
- 2) that the second method steps are only those method steps which are executed in order to request and evaluate system states brought about by the execution of the first series of method steps; and
- 3) that the accelerated operating mode is matched to the evaluation.

With respect to newly added claim 28, Bhandari does not disclose the feature that an instruction set simulator is activated during the execution of the second series of method steps.

CONCLUSION

Based on the newly submitted claims and the above-noted points of distinction, Applicant believes that all of the claims are distinguishable over the art of record and respectfully requests that a timely Notice of Allowance be granted in this case.

Respectfully submitted,

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Additional Reply to Office Action of December 8, 2004

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, PO Box 1450,
5 Alexandria, VA 22313-1450 on March 8, 2005.



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